



Scotwood Industries, Inc.

P.O. Box 8089  
Shawnee Mission, KS 66208

Telephone:  
(913) 722-3244  
Fax:  
(913) 722-2207

**MATERIAL SAFETY DATA SHEET**  
**CALCIUM CHLORIDE FLAKE 77-80%**

**Product Information**

Identity:	Calcium Chloride Flake-77-80% Flake
Shipping Name:	Not Regulated
Hazard Class:	Not Classified
D.O.T. Warning Label:	None Required
Cas. No.:	10035-04-8

**All Ingredients Are Non-Hazardous**

**Physical/Chemical Characteristics**

Boiling Point:	Not Applicable
Vapor Pressure ( mm Hg. ) :	Not Applicable
Vapor Density ( Air=1 ) :	Not Applicable
Specific Gravity ( H2O=1 ) :	0.84
Melting Point:	176 Deg C, 349 Deg F
Evaporation Rate ( Butyl Acetate=1 ) :	Not Applicable
Solubility in Water:	Complete in all Proportions
Appearance and Color:	Odorless, Small White Flakes

**Fire and Explosion Hazard Data**

Flash Point ( Method Used ) :	Not Applicable
Flammable Limits:	Not Applicable
LHL:	Not Applicable
UEL:	Not Applicable
Extinguishing Media:	Use Extinguishing Media Appropriate for Surrounding Fire
Special Fire Fighting Procedures:	Fire Fighters should wear Proper Protective Equipment and Self-Contained Breathing Apparatus with Full Face piece Operated in Positive Pressure Mode
Unusual Fire and Explosion Hazards:	Toxic Gases Produced: Hydrogen Chloride

Reactivity Data	
Stability:	Stable, Will absorb Water when exposed to Atmosphere (Specific Materials to Avoid ) Metals will slowly Corrode in Aqueous Solution. Aluminum and its Alloys and Yellow Brass are subject to Corrosion. Addition of Alkaline Compounds may Result in the Release of Ammoniacal Vapors.
Hazardous Decomposition:	None
Hazardous Polymerization:	Will Not Occur

Health Hazard Data	
Signs and Symptoms of Exposure	
Eye:	May cause Moderate to Severe Eye Irritation with Corneal Injury,
Skin Contact:	Short Single Exposure not Likely to Cause Significant Skin Irritation, Prolonged or Repeated Exposure may cause skin Irritation, Even Burn, May cause more Severe response if confined to skin or if skin is Abraded ( Scratched or Cut ).
Skin Absorption:	A Single Prolonged Exposure is not likely to result in the material being absorbed through the skin in harmful amounts. The LD50 for Skin Absorption in Rabbits is -5,000 mg/kg for Calcium Chloride.
Ingestion:	Single Dose Oral Toxicity is believed to be low. The oral LD50 for Calcium Chloride in rats is 967 mg/kg. Ingestion may cause Gastrointestinal irritation or Ulceration.
Inhalation:	Vapors are unlikely, due to physical properties. Dust/Mist may cause irritation to upper respiratory tract.
Systematic & Other Effects	Results of in Vitro Mutagenicity Tests have been Negative for Calcium Chloride
First Aid	
Eyes:	Irrigate with Flowing Water immediately and continuously for Fifteen (15) Minutes. Consult Medical Personnel.
Skin:	Wash Off in Free Flowing Water or Shower Continuously for Fifteen (15) Minutes. Consult Medical Personnel.
Ingestion:	If swallowed, induce Vomiting Immediately. Call a Physician (Never give anything by mouth or attempt to induce vomiting in an unconscious person).
Note to Physician:	If Burn is present, treat as any thermal burn, after decontamination, no specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

**Precautions for Safe Handling and Use**

<b>Spills:</b>	Remove spilled material with shovel and dispose in proper manner. Calcium Chloride can corrode Steel Containers. Flush area with plenty of Water. Walking surfaces may remain wet longer due to moisture being held by spilled material.
<b>Disposal Method:</b>	Dispose in accordance with all applicable Federal, State and Local environmental regulations. Keep out of drinking water sources.
<b>Handling/Storing:</b>	(Ventilation) Use adequate general or local exhaust ventilation. (Respiratory Protection) None required where adequate ventilation conditions exist. Use appropriate respirator or dust mask if airborne concentration is high. (Eye/Skin Protection) Safety Glasses with sideshields, Chemical Goggles, Eyewash Fountain should be located in immediate work area. Brief contact with skin -No Precautions other than clean body covering clothing should be needed. Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron or full body suit will depend upon operations.

**Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information herein is given in good faith, but no warranty of any kind, expressed or implied, is made. Consult Di-EI Chemical, a Division of Morningside Industries, Inc. for further information. This MSDS meets the requirements specified in 29 CER 1910.1200. Customers are responsible for compliance with Local, State and Federal regulations that may be pertinent in the storage, application and disposal of this product.**